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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V  
POLLUTION REPORT

DATE: NOVEMBER 12, 1994

FROM: PETE GURIA, OSC, RESPONSE SECTION 2, CHICAGO, IL

TO:

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CHICAGO FIRE DEPARTMENT.....(VIA-FAX)

SUBJECT: DAVID CHEMICAL SITE, REMOVAL ACTION, CHICAGO,IL

LATITUDE: 41°51'30" LONGITUDE: 87°46'30"

POLREP NO.: 3

SITE ID NO.: XG DELIVERY ORDER NO. : 5001-05-356

RESPONSE AUTHORITY: CERCLA NPL STATUS: NON-NPL

START DATE: OCTOBER 18, 1994

COMPLETION DATE:

## 1. SITUATION:

- A. Removal activities continue at this former chemical warehouse. Chemical identification of drums and small containers continuing. A total of 593 samples have been characterized to date, and 17 waste categories developed. Current drum count stands at 430.
- B. Site has remained secure. SDI providing 24 hr. armed guard service. Security awareness has been heightened after prolonged gunfire was heard near site on 11/5. On 11/7, site work-hours were shortened so that crew can depart site before sundown.
- C. Weather: Temperatures have ranged from the upper 60's to the mid 40's with rain falling on-and-off throughout the week. Rain water continues to enter building through the roof and doorways leaving large standing puddles covering most of the work areas inside the building. The standing water makes working difficult and has increased the potential for an accidental release of the rapidly deteriorating drums.

## 2. ACTIONS TAKEN:

- A. Bulking of waste streams continues. Acid oxidizing liquid (chromic acid) consolidation completed 11/9. A total of 5,000 gallons bulked from 82 drums. Representative sample collected and sent for disposal analysis 11/04. Results received 11/10, indicate the material contains 22% chromium.
- B. Laboratory analysis report for copper sulfate material received 11/7. Results reveal 4900 ppm TCLP copper as expected. However, 25 ppm TCLP Lead was discovered. This

level exceeds the 5 ppm regulatory limit and will require disposal as a listed hazardous waste.

- C. TAT providing daily air monitoring for CN, Cr, and, CO vapors on a periodic basis during sampling activities.
- D. TAT continues bulk testing analysis. Remainder of base/neutral liquids bulk tested on 11/8. Bulk testing of the acid liquid waste stream completed 11/10. Approximately 1700 gallons identified as of 11/11. 1200 gallons of this material is pumpable for consolidation. Approximately 11 drums appear to viscous for consolidation and may have to be transported for disposal in overpack drums. TAT also continues to conduct bench scale tests for drums containing gelatinous material. These tests are being performed to determine if the material can be liquified for consolidation.
- E. Sample of the crushed drums/ppe/debris waste stream sent for disposal analysis 11/7. Analytical results were faxed to site 11/10. This group was found to be above the TCLP regulatory limit for chromium (5 ppm) at 16 ppm. Material will have to be fixated before disposal in a haz waste landfill.
- F. ERCS T&D coordinator arranging bids from disposal facilities for the chromic acid, debris, and other identified waste streams.

### 3. PLANS:

- A. Continue sampling and hazard categorization of drums. Approximately 120 drums appear to remain. Spatial problems inside building are hindering sampling and consolidation efforts.
- B. Continue bulk testing analyses for remaining waste streams. Continue consolidating drummed material for identified waste streams as bulk testing is completed. Procure bulk containers for remaining waste streams.
- C. RES T&D coordinator continues arranging for analysis and disposal of identified waste streams. Expect to ship samples of chromic acid and crushed drums/ppe/debris, and base/neutral liquids to perspective facilities 11/12.
- D. Continue open lines of communication with local City and State officials.

### 4. KEY ISSUES:

- A. Rainwater accumulation due to continuous rainfall this past week has decreased productivity. Water entering bldg has mixed with floor wastes and has to be dealt with accordingly.
- B. On two occasions, several drums have been found leaking due to their rapidly deteriorating condition. Crew has had to stop regular activities to mitigate these releases. In one instance an entire drum of a gelatinous acid had released. The acid material combining with the pooled rainwater on the floor created a large volume of an acid liquid (pH 2-3). The extent of the spill was identified, contained, and consolidated with the acid liquid group.
- C. On November 1, 1994, The Office of Regional Counsel issued an Administrative Order by Consent (AOC) to the plating company which sent wastes to the facility, requiring their participation in on-going cleanup actions at the site.

## 5. COSTS:

A. Case open;

B. Costs through 11/10/94;

	<u>BUDGETED</u>	<u>TOTAL to DATE</u>	<u>REMAINING</u>
ERCS	\$ 540,000	\$ 130,305.81	\$ 409,694.19
TAT	108,000	32,351.63	75,648.37
USEPA-DIR	29,700	6,285.00	23,415.00
USEPA-INDR	54,900	12,762.45	42,137.55
TOTALS	\$ 732,600	\$ 181,704.89	\$ 550,895.11
END			